



IFW

03500.017974

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Toshimitsu KARIYA ) Examiner: Unassigned  
Application No.: 10/807,304 ) Group Art Unit: 1753  
Filed: March 24, 2004 ) Confirmation No.: 3813  
For: STACKED PHOTOVOLTAIC ELEMENT ) August 31, 2004  
AND CURRENT BALANCE ADJUSTMENT )  
METHOD )

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449 form. Copies of the Japanese patent documents and of the Meier et al. and the Yamamoto et al. articles are also enclosed.

The Meier et al. and Yamamoto et al. articles are discussed at pages 2 and 3 of the subject specification.

The Japanese patent documents are discussed at pages 4 and 5 of the subject specification. The Japanese patent documents are believed to correspond to the following U.S. patents.

**Japanese Patent Document No.**

**U.S. Patent No.**

11-251610

6,222,117

11-310495

6,103,138

**Japanese Patent Document No.**

11-317538

11-243218

2000-22189

**U.S. Patent No.**

6,215,061

6,399,873

6,238,808

The Examiner's attention is also directed to the following co-pending U.S. patent application. A copy of this application is also enclosed.

**U.S. Patent Application No.**

**Filing Date**

**Applicants**

10/801,681

March 17, 2004

Naoto Okada et al.

This Information Disclosure Statement is being filed before the issuance of a first Office Action on the merits. Therefore, no fee under 37 C.F.R. 1.97(c)(2) is believed due. Nevertheless, the Commissioner may charge Deposit Account No. 06-1205, should any fee be due for filing this paper.

Applicant requests that the above information be considered by the Examiner and that a copy of the enclosed PTO-1449 form be initialed and returned indicating that such information has been considered.

Applicant's undersigned attorney may be reached in our Washington D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



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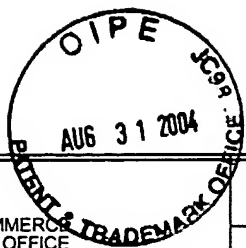
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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted: August 31, 2004				ATTY DOCKET NO. 03500.017974		APPLICATION NO. 10/807,304	
				APPLICANT Toshimitsu KARIYA			
				FILING DATE March 24, 2004		GROUP 1753	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		US-6,177,711 B1	01/23/2001	Kariya	257	458	
		US-6,215,061 B1	04/10/2001	Kariya	136	256	
		US-6,344,608 B2	02/05/2002	Kariya et al.	136	257	
		US-6,123,824	09/26/2000	Sano et al.	205	124	
		US-5,510,151	04/23/1996	Matsuyama et al.	427	509	
		US-5,714,010	02/03/1998	Matsuyama et al.	118	723 MW	
		US-6,472,248 B2	10/29/2002	Shiozaki et al.	438	97	
		US-6,399,873 B1	06/04/2002	Sano et al.	136	249	
		US-6,103,138	08/15/2000	Kondo	252	62.3 E	
		US-6,238,808 B1	05/29/2001	Arao et al.	428	629	
		US-6,215,061 B1	04/10/2001	Kariya	136	256	
		US-6,222,117 B1	04/24/2001	Shiozaki	136	256	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		11-251610	09/17/1999	Japan			Abstract
		11-310495	11/09/1999	Japan			Abstract
		11-317538	11/16/1999	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Meier, J., et al., "ON THE WAY TOWARDS HIGH EFFICIENTY THIN FILM SILICON SOLAR CELLS BY THE "MICROMORPH" CONCEPT," <i>Materials Research Society Symposium Proceedings</i> , Volume 420, Amorphous Silicon Technology - 1996, April 8-12, 1996, San Francisco, CA. Pp. 3-14.					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		11-243218	09/07/1999	Japan			Abstract
		2000-22189	01/21/2000	Japan			Abstract

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

Yamamoto, Kenji, et al. "Optical Confinement Effect for below 5  $\mu$ m Thin Film Poly-Si Solar Cell on Glass Substrate," *Japanese Journal of Applied Physics*, Part 2, Letters, Vol. 36, No. 5A, May 1, 1997. Pp. L569-L572.

EXAMINER

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